

Please amend the application as follows:

IN THE CLAIMS

Please amend the claims as follows:

a1 68. (Amended) An apparatus [for detection of an analyte by electrochemiluminescence comprising] as recited in claim 1 wherein said [a porous] electrode [and a counterelectrode are] is porous.

a2 5/12 62. (Amended) A kit as recited in claim [60] 61 further including an apparatus for performing said assays.

a3 66. (Amended) An apparatus for measuring electrochemiluminescence of a sample comprising:  
(a) a plurality of cells for holding at least one sample, said plurality of cells being formed from a plurality of electrodes [electrode and counterelectrode pairs] and a first support that comprises a plurality of discrete binding domains, said plurality of discrete binding domains being aligned with an in proximity to the plurality of [electrode and counterelectrode pairs] electrodes, said [electrode and counterelectrode pairs] electrodes being separately addressable, said cells being suitable for conducting measurements of electrochemiluminescence,  
(b) voltage control means adapted to apply a controlled voltage waveform to said plurality of [electrode and counterelectrode pairs] electrodes, said voltage waveform being